

TABLE 1

SEQ ID NO	CLONE ID	TEMPLATE ID	GENBANK ID	DESCRIPTION	DATABASE CLASS
1	504786	199772.6	g187297	Human MAL protein gene mRNA, complete cds.	gb119pri 1
2	560347	198266.70		Incyte Unique	1
3	644646	238104.1		Incyte Unique	1
4	1416782	197902.12	g688370	very low density lipoprotein receptor [human, heart, mRNA,	1
5	1416782	197902.13	g688370	very low density lipoprotein receptor [human, heart, mRNA,	1
6	1416782	197902.4	g688370	very low density lipoprotein receptor [human, heart, mRNA,	1
7	1426583	1095159.4		Incyte Unique	1
8	1525746	331616.2	g187182	Human lymph node homing receptor mRNA, complete cds. CD62L	gb119pri 1
8	1876370	331616.2	g187182	Human lymph node homing receptor mRNA, complete cds. CD62L	gb119pri 1
9	1824001	1383590.8	g546603	glutamine synthetase, GS (EC 6.3.1.2) [human, tumorous liver,	genpept119 1
10	1985367	1400599.2	g1890049	homo sapiens mRNA for cysteine protease, complete cds.	gb119pri 1
11	2115028	040652.36	g8176525	interferon-inducible myeloid differentiation transcriptional	genpept119 1
12	2115028	1098584.1	g6644297	IFI16b [Homo sapiens]	genpept119 1
13	560347	231454.18		Incyte Unique	1
13	3120209	231454.18		Incyte Unique	4
14	678618	400744.1	g3411156	Homo sapiens nuclear mitogen- and stress-activated protein	gb119pri 4
15	776360	977954.13	g1335886	Human cyclin G2 mRNA, complete cds.	4
16	776360	977954.14	g1335886	Human cyclin G2 mRNA, complete cds.	gb119pri 4
17	1286958	221445.1	g6046544	Homo sapiens hHDC gene for homolog of Drosophila headcase,	gb119pri 4
18	1415503	985369.1		Incyte Unique	4
19	1451660	403116.12		Incyte Unique	4
20	1451660	403116.13		Incyte Unique	4
21	1451660	403116.33		Incyte Unique	4
22	1481225	243902.23		Homo sapiens ADDL mRNA for adducin-like protein, complete	4
23	1481225	243902.24	g2696053	Homo sapiens ADDL mRNA for adducin-like protein, complete	4
24	2125177	337787.1		Incyte Unique	4
25	2444061	1032796.1	g1486360	H.sapiens mRNA for cyclin G1.	gb119pri 4
26	2741788	480787.20	g2343085	nuclear antigen H731-like protein [Homo sapiens] & H731 protein	genpept119 4
27	2741788	480787.31	g1825562	nuclear antigen H731 [Homo sapiens] & g2343085, H731-like	genpept119 4
28	3034487	1383205.5	g6650103	Homo sapiens bicarbonate transporter (BT) mRNA, complete	gb119pri 4
28	2742948	1383205.5	g6650103	Homo sapiens bicarbonate transporter (BT) mRNA, complete	gb119pri 4
29	2927239	233843.3		Incyte Unique	4
30	3123535	412290.13		Incyte Unique	4
31	3123535	412290.15		Incyte Unique	4
32	3123535	412290.5		Incyte Unique	4
33	3243995	984100.1	g35229	H.sapiens gene PACAP for pituitary adenylylate cyclase activating	4
34	3243995	984100.3	g35229	H.sapiens gene PACAP for pituitary adenylylate cyclase activating	4
35	564832	215592.1		Incyte Unique	5

TABLE 2

SEQ ID NO	CLONE ID	TEMPLATE ID	GENBANK ID	DESCRIPTION	DATABASE	CLASS
36	2718519	231109.11	g29903	Human cellular oncogene c-fos (complete sequence).	gb119pri	1
37	620013	234919.1	g397938	H.sapiens CD69 gene.	gb119pri	1
38	637393	238627.2	g1694788	H.sapiens mRNA for GRS protein.	gb119pri	1
39	341491	899156.35	g29903	Human cellular oncogene c-fos (complete sequence).	gb119pri	1
40	1705208	988653.1	g5420378	Homo sapiens EGR1 gene for early growth response protein 1.	gb119pri	1
40	1910901	988653.1	g5420378	Homo sapiens EGR1 gene for early growth response protein 1.	gb119pri	1
41	1986809	1097638.1	g6691160	Homo sapiens low density lipoprotein receptor (LDLR) gene.	gb119pri	1
42	1487384	1098423.13	g181986	Human early growth response 2 protein (EGR2) mRNA, complete	gb119pri	1
42	3603037	1098423.13	g181986	Human early growth response 2 protein (EGR2) mRNA, complete	gb119pri	3
43	1842870	1100821.1	g307165	Human myeloid cell differentiation protein (MCL1) mRNA.	gb119pri	1
44	2590375	1134866.26	g292833	Human TR3 orphan receptor mRNA, complete cds.	gb119pri	2
44	2591294	1134866.26	g292833	Human TR3 orphan receptor mRNA, complete cds.	gb119pri	3
45	1346518	1134866.36	g292833	Human TR3 orphan receptor mRNA, complete cds.	gb119pri	1
45	1958560	1134866.36	g292833	Human TR3 orphan receptor mRNA, complete cds.	gb119pri	1
46	1998594	1136056.1	g1082037	Human G0S3 mRNA, complete cds.	gb119pri	1
47	2197952	1253777.1	g2828536	Human Hsp27 ERE-TATA-binding protein (HET) mRNA, complete	gb119pri	1
48	1760208	1215335.7		Incye Unique	gb119pri	1
49	1806660	238289.2		Incye Unique	gb119pri	1
50	1731786	443096.24	g35472	H.sapiens pilot mRNA; g1679920 EGR3	gb119pri	1
50	2633001	443096.24	g35472	H.sapiens pilot mRNA; g1679920 EGR3	gb119pri	2
51	518826	235631.2	g559539	Homo sapiens protein tyrosine phosphatase (PAC-1) mRNA,	gb119pri	2
52	1360375	331567.1		Incye Unique	gb119pri	2
53	1919520	349343.3	g924281	Human mitogen induced nuclear orphan receptor (MINOR) mRNA,	gb119pri	2
54	1430318	407065.3	g202402	Wnt-4 [Mus musculus]	genpept119	2
55	2099993	232049.2	g177865	Human tumor necrosis factor alpha inducible protein A20 mRNA,	gb119pri	3
56	1969563	995119.6	g186624	Human c-jun proto oncogene (JUN), complete cds, clone hCJ-1.	gb119pri	3
57	3142624	1194750.7	g187290	Homo sapiens MAD-3 mRNA encoding IKB-like activity,	gb119pri	3

PA-0042 US

TABLE 3

SEQ ID NO	CLONE ID	TEMPLATE ID	GENBANK ID	DESCRIPTION	DATABASE	CLASS
58	1728574	39976.16	g1049083	Human splicing factor SRp55-2 (SRp55) mRNA; g9408729 clone RP5-862K6	gb119pri	1
59	1483735	233576.58	g306714	DNAJ homologue-2	gb119pri	1
60	1483735	233576.63	g8249464	DNA J homologyHDJ2 protein [Homo sapiens]	gb119pri	1
61	1508941	235809.8	g685173	Homo sapiens MAP kinase kinase 3 (MKK3) mRNA, complete cds.	gb119pri	1
62	2901393	238849.1		Incye Unique		1
63	2819485	244230.1		Incye Unique		1
64	2819485	244230.4		Incye Unique		1
65	3068454	256009.20	g178282	Human novel protein AHNAK mRNA, partial sequence.	gb119pri	1
66	1219391	348218.17	g219901	Human mRNA for protein-tyrosine phosphatase, complete cds.	gb119pri	1
67	2171605	350667.1	g2580556	dead box, Y isoform [Homo sapiens]	genpept119	1
68	1568925	461654.27	g38459	H.sapiens MADER mRNA.	gb119pri	1
68	2169708	461654.27	g38459	H.sapiens MADER mRNA.	gb119pri	1
69	2716582	895118.2	g36852	Human mRNA for T-cell receptor alpha-chain HAVP02	gb119pri	1
70	1688801	996625.6	g806765	Human 76 kDa tyrosine phosphoprotein SLP-76 mRNA, complete	gb119pri	1
71	2820337	1093005.5	g38457	H.sapiens mRNA for PTB-associated splicing factor.	gb119pri	1
72	2930812	1093005.6	g38457	H.sapiens mRNA for PTB-associated splicing factor.	gb119pri	1
73	1447856	1306997.1	g1478351	EGR alpha=early growth response gene alpha	gb119pri	1
74	3493710	202023.6	g184243	Human 3-hydroxy-3-methylglutaryl coenzyme A reductase mRNA,	gb119pri	3
75	1003427	233225.4	g3282822	Homo sapiens transcriptional regulatory protein p54 mRNA,	gb119pri	3
76	1870534	244146.6	g1913900	Human clones 23667 and 23775 zinc finger protein mRNA,	gb119pri	3
77	1688762	245002.15	g9230740	Homo sapiens CD164 mRNA, complete cds.	gb119pri	3
78	3594284	349879.5	g38017	Human PRDII-BF1 gene for a DNA-binding protein.	gb119pri	3
79	1354413	481087.13	g7110492	Homo sapiens breast carcinoma-associated antigen isoform I	gb119pri	3
80	1354413	481087.9	g7110492	Homo sapiens breast carcinoma-associated antigen isoform I	gb119pri	3
81	1446186	898939.9	g463551	Human clone pJ53 interferon gamma receptor accessory	gb119pri	3
82	1712592	1097722.6	g2358268	Homo sapiens insulin induced protein 1 (INSIG1) gene, complete	gb119pri	3
83	1712592	1097722.7	g2358268	Homo sapiens insulin induced protein 1 (INSIG1) gene, complete	gb119pri	3
84	2927362	1216877.1	g3077898	Human adhesion molecule nirjirin mRNA, complete cds.	gb119pri	3
85	2073875	1325741.2	g405193	Homo sapiens splicing factor (OC1.4) mRNA, complete cds.	gb119pri	3
86	1402967	1383286.1	g34511	H.sapiens, gene for Membrane cofactor protein.	gb119pri	3
87	1711053	1383324.13	g1857236	Human p97 mRNA, complete cds.	gb119pri	3
88	1929424	246194.18		Incye Unique		3
89	1929424	480784.15	g2198855	melanoma differentiation associated protein-9 [Homo sapiens]	genpept119	3

TABLE 4

SEQ ID NO	CLONE ID	TEMPLATE ID	GENBANK ID	DESCRIPTION	DATABASE	CLASS
90	1738535	22485.18	g34346	Human mRNA for lymphocyte function associated antigen-3 LFA-3	gb119pri	1
91	3002426	59263.15	g1809245	Human Src-like adapter protein mRNA, complete cds.	gb119pri	1
92	1618455	207683.2	g178990	Human arginine-rich protein (ARP) gene, complete cds.	gb119pri	1
93	2024102	234224.5	g1794218	Human 150 kDa oxygen-regulated protein ORP150 mRNA,	gb119pri	1
94	1417936	236393.11	g8453170	Homo sapiens outer dense fiber-associated protein SPAG4	gb119pri	1
95	1696224	242010.34	g188487	Human MHC class III HSP70-1 gene (HLA), complete cds.	gb119pri	1
96	1666737	293296.19	g35781	H.sapiens PTP1C mRNA for protein-tyrosine phosphatase 1C.	gb119pri	1
97	2123516	349676.8	g35221	Human heat-shock protein HSP70B' gene.	gb119pri	1
98	311922	394867.1	g184022	Human Hanukah factor serine protease (HuHF) mRNA, complete	gb119pri	1
98	1560741	394867.1	g184022	Human Hanukah factor serine protease (HuHF) mRNA, complete	gb119pri	1
99	2749539	394867.2	g184022	Human Hanukah factor serine protease (HuHF) mRNA, complete	gb119pri	1
100	2073546	433569.1	g791003	Homo sapiens ARSE gene, complete CDS.	gb119pri	1
101	2344578	995668.51	g598234	Homo sapiens T cell receptor alpha chain mRNA.	gb119pri	1
102	2641522	1094412.1	g1143491	H.sapiens mRNA for BIP protein.	gb119pri	1
102	2884613	1094412.1	g1143491	H.sapiens mRNA for BIP protein.	gb119pri	1
103	2679349	1330258.16	g37260	Human tra1 mRNA for human homologue of murine tumor	gb119pri	1
103	2852374	1330258.16	g37260	Human tra1 mRNA for human homologue of murine tumor	gb119pri	1
104	118501	1383039.19	g32466	Human hsc70 gene for 71 kd heat shock cognate protein.	gb119pri	1
105	1750594	201780.1		Incyte Unique		1
101	2652526	995668.51	g598234	Homo sapiens T cell receptor alpha chain mRNA.	gb119pri	2
101	1876227	995668.51	g598234	Homo sapiens T cell receptor alpha chain mRNA.	gb119pri	2
106	1733639	25003.1	g4566745	Homo sapiens LR8 (LR8) mRNA, complete cds.	gb119pri	2
107	2197211	995668.15	g23845	H.sapiens mRNA for T-cell receptor alpha chain, V-alpha 30 & TCR alpha C chain	gb119pri	2
108	1656931	1013708.6		Incyte Unique		2
109	2652526	1397264.2	g2358042	Homo sapiens T-cell receptor alpha delta locus from bases	gb119pri	2
110	388964	246946.1	g4107228	Homo sapiens mRNA for lipophilin A, try lipophilin B	gb119pri	3
111	2617847	346551.4	g2213442	H.sapiens mRNA for inwardly rectifying potassium channel	gb119pri	3
112	3026540	360532.1	g37207	Human mRNA for slow skeletal troponin C (TnC).	gb119pri	3
113	2617847	401750.2	g2213442	H.sapiens mRNA for inwardly rectifying potassium channel	gb119pri	3
114	389362	017958.1		Incyte Unique		3
115	389362	144947.1		Incyte Unique		3
116	459372	235687.5		Incyte Unique		3

PA-0042 US

TABLE 5

CLONE ID	0 hr	0.5 hr	1 hr	2 hr	4 hr	8 hr	0 hr	0.5 hr	1 hr	2 hr	4 hr	8 hr
	CD3	CD3	CD3	CD3	CD3	CD3	CD3+CD28	CD3+CD28	CD3+CD28	CD3+CD28	CD3+CD28	CD3+CD28
118501	-0.08	0.09	0.43	0.62	1.05	1.65	-0.13	0.27	0.49	1.19	1.51	1.81
311922	-0.18	-0.20	-0.01	0.32	1.04	1.46	-0.63	0.03	0.00	0.40	0.77	1.35
341491	-0.32	2.09	0.67	-0.35	-0.61	-0.46	-0.10	1.36	0.31	-0.30	0.15	-0.28
341491	-0.08	2.50	1.02	-0.15	-0.15	-0.08	-0.41	1.92	0.38	-0.67	-0.61	-0.14
388964	0.30	0.33	0.62	0.43	0.55	0.46	0.30	0.82	0.80	1.15	0.88	0.93
389362	0.23	0.33	0.56	0.43	0.46	0.33	0.30	0.76	0.79	1.05	0.93	0.92
459372	0.13	0.22	0.26	0.22	0.18	0.01	0.32	0.75	0.76	1.00	0.91	0.86
504786	-0.03	-0.09	-0.27	-0.46	-0.68	-0.57	-0.10	-0.17	-0.35	-0.74	-1.09	-0.72
518826	-0.11	3.21	3.14	2.39	1.08	0.96	-0.21	2.28	2.47	2.29	0.54	0.42
560347	-0.03	-0.69	-0.95	-0.95	-1.22	-0.94	-0.06	-1.18	-1.15	-0.97	-1.14	-1.13
564832	-0.39	-0.32	-0.48	-0.37	-0.57	-0.50	-0.31	-0.38	-0.37	-1.02	-0.44	-0.15
620013	-0.02	0.53	0.80	0.13	0.36	0.24	-0.31	1.12	1.53	0.78	0.34	0.20
637393	-0.31	0.55	0.65	0.23	-0.19	-0.13	-0.34	1.20	1.15	0.31	0.12	0.22
644646	-0.55	-0.86	-1.09	-1.04	-1.00	-0.87	-0.35	-0.74	-0.96	-1.09	-0.68	-0.40
678618	-0.24	-0.30	-0.36	-0.55	-1.01	-0.66	-0.35	-0.22	-0.23	-0.29	-0.33	-0.21
776360	-0.20	-0.46	-0.63	-1.13	-1.24	-0.76	-0.11	-0.10	-0.21	-0.57	-0.71	-0.25
1003427	0.04	-0.05	-0.02	0.91	0.05	-0.17	-0.04	-0.04	0.24	1.71	0.26	0.12
1219391	-0.09	0.19	0.74	1.52	1.35	0.95	-0.09	0.13	0.41	1.44	1.02	0.47
1286958	-0.48	-0.56	-0.64	-0.99	-1.32	-0.97	-0.24	-0.32	-0.27	-0.67	-0.65	-0.37
1346518	0.25	1.58	1.90	0.84	0.37	0.35	0.11	1.21	1.78	1.03	0.16	0.14
1354413	-0.06	-0.30	-0.35	0.20	-0.36	-0.32	-0.02	-0.06	0.13	1.04	-0.01	0.02
1360375	0.12	2.22	0.90	0.13	0.03	0.06	0.07	0.91	0.33	0.08	0.04	-0.12
1402967	0.10	-0.19	0.04	-0.28	-0.43	-0.45	0.07	0.28	0.37	1.16	-0.15	0.06
1415503	-0.09	-0.49	-0.55	-1.06	-0.96	-0.70	-0.10	-0.36	-0.54	-0.41	-0.71	-0.43
1416782	-0.24	-0.62	-0.89	-1.14	-0.98	-0.63	-0.04	-0.07	-0.34	-0.71	-0.22	0.01
1417936	-0.26	0.28	0.81	1.34	1.25	1.57	-0.04	0.34	0.97	1.35	1.34	1.49
1426583	0.05	-0.18	-0.33	-0.76	-1.03	-0.74	-0.16	-0.27	-0.63	-0.64	-0.90	-0.73
1430318	0.14	2.12	0.73	0.06	0.23	0.09	0.07	1.08	0.09	0.14	0.02	-0.07
1446186	-0.10	-0.26	-0.31	0.25	-0.27	-0.38	-0.04	-0.03	-0.03	1.15	0.01	-0.06
1447856	-0.50	-0.64	1.72	1.02	-0.37	-0.57	0.03	-0.02	1.41	1.58	0.27	0.20
1451660	-0.06	-0.64	-0.84	-0.94	-1.08	-0.82	-0.12	-0.36	-0.50	-0.49	-0.49	-0.22
1467384	-0.22	1.07	1.79	0.18	-0.19	-0.24	-0.33	1.09	1.41	0.28	-0.15	-0.07
1481225	-0.16	-0.59	-0.49	-1.13	-0.90	-0.89	-0.17	-0.02	-0.08	-0.18	-0.44	-0.45
1483735	0.07	0.15	0.54	0.67	0.84	0.97	0.02	0.48	0.71	1.26	0.88	0.97
1508941	0.08	-0.08	0.13	0.70	0.23	0.16	0.01	-0.06	0.23	0.91	0.36	0.25
1508941	-0.16	-0.25	-0.06	0.48	0.12	-0.08	-0.08	-0.01	0.18	1.09	0.37	0.14
1525746	-0.35	-0.52	-0.55	-0.93	-1.18	-0.96	-0.09	-0.34	-0.52	-0.43	-0.88	-0.67
1560741	-0.21	-0.33	-0.25	0.04	0.76	1.24	0.05	0.10	0.10	0.18	0.77	1.20
1568925	-0.06	-0.07	0.88	1.67	0.36	0.18	0.00	0.07	0.34	1.47	0.04	0.01

TABLE 5

1618455	-0.22	-0.15	-0.16	0.22	0.53	1.07	-0.21	0.28	0.09	0.47	0.25	0.97
1656931	-0.04	0.29	0.71	1.27	1.24	1.28	-0.01	0.04	0.32	0.55	0.56	0.64
1666737	-0.13	0.24	0.69	0.94	0.95	1.03	-0.07	0.20	0.54	0.89	1.09	1.04
1688762	-0.14	-0.22	-0.11	-0.01	0.18	0.04	-0.14	-0.01	0.21	1.01	0.42	-0.18
1688801	-0.02	0.05	0.19	0.46	1.02	0.93	-0.12	-0.07	-0.04	0.66	0.86	0.55
1696224	-0.06	0.00	0.00	0.16	0.26	0.53	-0.08	0.37	0.24	0.23	0.65	1.04
1705208	-0.14	4.09	3.51	1.23	0.66	0.61	-0.03	3.70	2.77	1.95	0.77	0.65
1711053	0.02	0.01	0.43	0.29	0.35	0.40	0.08	0.14	0.38	1.16	0.76	0.59
1712592	0.06	-0.05	0.09	0.04	-0.65	-0.61	-0.03	0.14	0.47	1.01	-0.26	-0.40
1728574	-0.03	0.60	0.83	0.81	0.56	0.27	-0.14	0.45	0.68	1.31	0.63	0.17
1731786	-0.26	1.09	2.45	0.45	-0.32	-0.29	-0.18	1.75	2.43	0.90	-0.20	0.01
1733639	0.06	0.31	0.88	1.27	1.36	1.63	-0.03	-0.16	0.49	0.84	0.62	0.75
1738535	0.07	-0.03	-0.12	0.13	0.48	1.03	-0.09	-0.07	-0.12	0.33	0.31	0.59
1750594	-0.53	-0.44	-0.37	-0.05	0.55	0.70	0.04	0.00	-0.16	0.04	0.57	1.04
1760208	-0.04	0.05	0.41	0.32	-0.03	-0.01	0.00	0.37	1.02	0.62	0.22	0.17
1806660	-0.15	-0.35	0.89	0.49	-0.09	-0.18	-0.17	-0.18	1.04	0.56	0.03	0.03
1824001	-0.03	-0.34	-0.63	-0.90	-1.04	-0.61	-0.20	-0.37	-0.63	-0.70	-0.67	-0.46
1842870	-0.21	0.71	1.17	0.18	0.21	0.04	-0.29	1.39	1.54	0.63	0.08	0.08
1842870	-0.09	1.13	1.29	0.43	0.22	0.24	-0.16	1.41	1.22	0.77	-0.01	0.33
1870534	-0.01	-0.31	-0.05	1.04	-0.02	-0.24	-0.05	-0.21	-0.12	2.02	0.23	0.11
1876227	-0.11	0.21	0.79	1.07	0.95	0.94	-0.08	0.01	0.31	0.49	0.45	0.53
1876370	-0.18	-0.21	-0.47	-0.63	-0.82	-0.65	-0.09	-0.24	-0.47	-0.83	-1.02	-0.65
1910901	-0.05	2.39	2.73	0.66	0.58	0.43	0.05	3.91	3.70	1.15	0.44	0.44
1919520	-0.32	-0.19	1.19	0.58	-0.33	-0.27	-0.01	-0.16	0.07	-0.11	0.00	-0.11
1929424	-0.03	-0.12	0.06	-0.10	-0.14	0.09	-0.15	-0.09	0.12	1.04	0.07	0.18
1958560	-0.21	2.78	2.71	1.33	0.27	0.31	-0.10	1.72	2.47	1.97	0.44	0.33
1969563	-0.37	0.39	0.41	-0.21	-0.33	-0.47	-0.27	1.71	1.66	0.19	0.00	-0.02
1985367	0.00	-0.23	-0.40	-1.11	-1.34	-1.21	-0.15	-0.10	-0.25	-0.48	-1.18	-1.01
1986809	-0.46	0.03	0.87	-0.03	-0.21	-0.30	-0.41	0.11	0.97	-0.12	-0.51	-0.32
1986809	-0.22	0.27	1.16	0.14	-0.13	-0.13	-0.17	0.38	0.79	0.26	0.01	0.00
1998594	-0.25	1.66	1.24	0.10	-0.17	-0.15	0.00	1.66	1.58	0.54	0.01	0.13
2024102	-0.11	0.00	0.07	0.01	0.19	0.93	-0.01	0.15	0.20	0.21	0.48	1.05
2073546	-0.28	-0.05	-0.04	-0.07	0.25	0.98	0.12	0.12	0.10	0.12	0.43	1.11
2073875	-0.19	-0.13	0.10	0.28	0.00	-0.09	0.00	0.21	0.60	1.08	0.49	0.39
2099993	0.00	-0.05	0.25	0.12	0.24	0.07	-0.11	0.23	1.09	0.47	0.33	0.19
2115028	-0.17	-0.47	-0.74	-1.19	-0.78	-0.14	-0.24	-0.41	-0.63	-0.82	-0.80	-0.06
2123516	0.00	0.07	0.27	0.30	0.54	0.87	-0.05	0.31	0.28	0.45	0.89	1.20
2125177	-0.78	-1.13	-1.09	-0.64	-0.43	-0.74	-0.32	-0.37	-0.21	-0.50	-0.21	-0.34
2169708	-0.06	-0.19	1.06	1.94	0.33	0.14	0.11	0.13	0.90	1.63	0.45	0.29
2171605	0.04	0.30	0.80	0.57	0.40	0.37	-0.01	0.59	0.85	1.12	0.51	0.35
2197211	0.01	0.36	0.96	1.32	1.37	1.51	-0.06	0.04	0.35	0.70	0.61	0.73

PA-0042 US

TABLE 5

2197952	-0.32	2.24	0.62	-0.36	-0.56	-0.41	-0.01	1.48	0.48	-0.37	0.15	-0.27
2344578	-0.34	0.27	0.92	1.44	1.32	1.51	-0.04	0.35	1.31	1.42	1.31	1.52
2344578	-0.02	0.36	0.99	1.53	1.60	1.95	-0.02	-0.02	1.07	1.57	1.39	1.53
2444061	-0.17	-0.47	-0.53	-0.98	-1.22	-0.88	-0.16	-0.34	-0.55	-0.41	-0.59	-0.55
2590375	-0.27	1.11	1.14	0.30	-0.17	-0.16	-0.06	0.07	0.16	-0.23	-0.15	-0.17
2591294	0.10	0.87	1.49	0.53	0.19	0.21	0.07	2.50	3.29	1.37	0.47	0.47
2617847	0.28	0.49	0.61	0.43	0.57	0.40	0.24	0.72	0.81	1.30	0.81	0.66
2633001	-0.08	2.43	3.24	1.29	-0.05	-0.06	-0.04	1.66	1.83	1.35	-0.10	0.28
2641522	0.16	0.32	0.40	0.42	1.15	1.63	0.02	0.20	0.32	0.94	0.97	1.39
2641522	0.02	0.18	0.31	0.39	1.14	1.50	-0.06	0.34	0.37	0.97	1.31	1.75
2641522	0.08	0.34	0.67	0.86	1.69	2.15	-0.02	-0.01	0.37	0.79	1.28	1.73
2652526	-0.01	0.29	0.77	1.14	1.15	1.20	-0.02	-0.03	0.27	0.61	0.52	0.55
2679349	-0.20	0.00	-0.04	0.25	0.82	1.53	-0.05	0.09	0.33	0.50	0.93	1.58
2716582	-0.34	0.83	0.71	1.23	1.00	1.24	0.02	0.16	0.51	1.04	0.75	0.78
2718519	0.00	0.83	0.52	0.05	0.10	0.03	-0.05	1.11	0.30	-0.14	-0.02	-0.07
2741788	-0.06	-0.28	-0.35	-0.65	-1.04	-1.13	-0.09	-0.09	-0.10	-0.09	-0.79	-0.67
2742948	-0.39	-0.65	-0.53	-1.04	-1.15	-0.76	-0.15	-0.25	-0.30	-0.37	-0.58	-0.22
2749539	-0.41	-0.43	-0.35	-0.03	0.51	0.92	0.01	0.09	0.03	0.08	0.75	1.09
2819485	-0.03	0.13	0.43	0.72	0.23	0.16	0.01	0.24	0.61	1.17	0.48	0.19
2820337	-0.11	0.21	0.75	0.90	0.93	0.37	0.05	0.46	0.85	1.50	1.29	0.40
2852374	-0.03	-0.06	0.10	0.33	0.95	1.78	-0.19	0.05	0.27	0.67	1.02	1.76
2884613	-0.11	0.34	0.49	0.72	1.38	2.00	0.02	0.38	0.46	1.05	2.07	2.32
2901393	0.02	0.03	0.70	0.46	0.22	0.15	0.12	0.42	0.46	1.11	0.36	0.43
2927239	-0.36	-0.35	-0.60	-0.89	-1.10	-0.73	-0.15	-0.33	-0.64	-0.78	-0.33	-0.42
2927362	0.02	0.07	0.14	0.33	0.21	0.10	0.04	0.24	0.32	1.05	0.59	0.08
2930812	-0.24	0.29	0.61	0.96	0.85	0.15	-0.22	0.30	0.79	1.17	0.87	0.50
3002426	-0.06	-0.12	0.17	0.51	0.89	1.16	-0.14	-0.18	0.21	0.91	1.00	1.24
3026540	0.10	0.33	0.58	0.38	0.48	0.29	0.17	0.68	0.60	1.18	0.77	0.81
3034487	-0.19	-0.45	-0.56	-1.16	-1.07	-0.73	-0.05	-0.08	-0.03	-0.33	-0.33	0.00
3034487	-0.23	-0.53	-0.42	-1.13	-0.98	-0.67	-0.18	0.05	-0.03	-0.24	-0.47	-0.10
3068454	-0.21	-0.26	-0.12	0.58	0.53	0.15	-0.27	0.10	-0.03	1.15	0.96	0.60
3120209	0.18	-1.45	-1.29	-1.48	-1.50	-1.48	0.09	-0.98	-0.89	-0.85	-0.76	-0.78
3123535	0.04	-1.04	-0.81	-0.86	-0.89	-0.77	0.05	-0.39	-0.45	-0.51	-0.36	-0.44
3142624	-0.22	0.51	1.12	0.25	0.09	-0.21	-0.14	1.23	1.52	0.93	0.62	0.15
3142624	-0.21	0.12	0.50	0.09	0.01	-0.03	-0.05	1.31	1.98	0.74	0.44	0.02
3243995	-0.28	-0.61	-0.83	-1.02	-0.55	-0.30	-0.24	-0.07	-0.28	-0.33	-0.34	0.24
3493710	-0.12	-0.12	0.41	0.25	-0.08	-0.10	-0.03	0.27	0.87	1.29	0.43	0.18
3594284	-0.24	-0.25	0.11	0.81	-0.09	-0.15	-0.14	0.20	0.10	1.47	0.08	0.15
3603037	-0.07	2.76	2.74	0.78	0.26	0.17	-0.10	2.46	2.08	1.59	0.47	0.30
3603037	-0.26	1.16	1.52	0.31	0.04	-0.06	-0.07	2.31	2.59	0.92	0.22	0.17